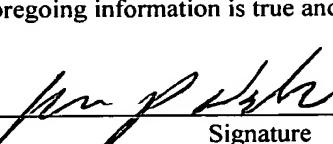


**RECORDATION FORM COVER SHEET
PATENTS ONLY**

**U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office**

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Douglas E. Bise Phillip W. Haga Additional name(s) of conveying party(ies) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>KENNAMETAL INC.</u> Internal Address: <u>P. O. Box 231</u> Street Address: <u>1600 Technology Way</u> City: <u>Latrobe</u> State: <u>PA</u> ZIP: <u>15650</u>	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Execution Date: <u>June 19, 2001</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>June 19, 2001</u>			
A. Patent Application No.(s)		B. Patent No.(s) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Additional numbers attached?			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Larry R. Meenan</u> Internal Address: <u>KENNAMETAL INC.</u> <u>P. O. Box 231</u>		6. Total number of applications and patents involved: <u>1</u>	
Street Address: <u>1600 Technology Way</u> City: <u>Latrobe</u> State: <u>PA</u> ZIP: <u>15650</u>		7. Total fee (37 CFR 3.41)\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: <u>11-0508</u>	
DO NOT USE THIS SPACE			
9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
Kevin P. Weldon Name of Person Signing		 Signature	
		June 25, 2001 Date	
Total number of pages including cover sheet, attachments, and document: <u>4</u>			

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, Box Assignments, Washington, DC 20231

ASSIGNMENT

Whereas, Douglas E. Bise, of 207 Crestwood Drive, Chilhowie, Virginia 24319, U. S. A., a citizen of the United States of America, has made application for Letters Patent of the United States, entitled MONOLITHIC ROOF BIT CUTTING BIT INSERT, said application having been executed

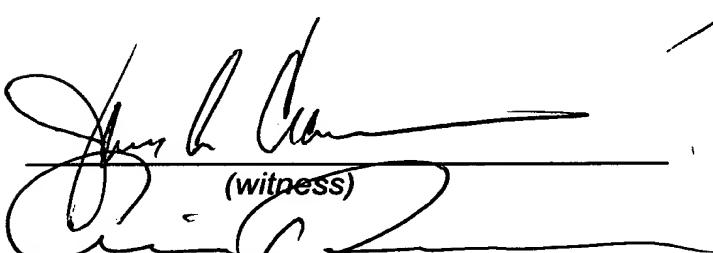
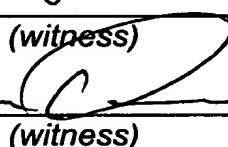
June 19, 2001
(month day year) _____; (serial number, if any)

And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, of P. O. Box 231, Latrobe, Pennsylvania 15650, is desirous of acquiring an interest in the same;

Now, therefore, in consideration of One (\$1.00) dollar, and other good and valuable consideration, the receipt of which is hereby acknowledged, he hereby assigns, sells, and sets over unto the said Kennametal Inc. its successors, assigns and legal representatives, the entire right, title and interest in and to said invention for the United States and their territories and all foreign countries, and in and to said Letters Patent, divisions, continuations, continuations-in-part, reissues and extensions thereof in the United States and all foreign countries (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), and hereby requests that said Letters Patent issue accordingly. For said consideration said Douglas E. Bise agrees for himself, and for his heirs, executors and administrators, to execute without further consideration all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to Kennametal Inc., or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said applications and securing patents thereon.

In Testimony Thereof, he executes this assignment this 19 day of June, 2001.


(signature of assignor)


(witness)

(witness)

ASSIGNMENT

Whereas, Phillip W. Haga, of 919 Wet Springs Road, Chilhowie, Virginia 24319, U. S. A., a citizen of the United States of America, has made application for Letters Patent of the United States, entitled MONOLITHIC ROOF BIT CUTTING BIT INSERT, said application having been executed

June 19, 2001

(month day year)

(serial number, if any)

And Whereas, Kennametal Inc., a corporation of the Commonwealth of Pennsylvania, of P. O. Box 231, Latrobe, Pennsylvania 15650, is desirous of acquiring an interest in the same;

Now, therefore, in consideration of One (\$1.00) dollar, and other good and valuable consideration, the receipt of which is hereby acknowledged, he hereby assigns, sells, and sets over unto the said Kennametal Inc. its successors, assigns and legal representatives, the entire right, title and interest in and to said invention for the United States and their territories and all foreign countries, and in and to said Letters Patent, divisions, continuations, continuations-in-part, reissues and extensions thereof in the United States and all foreign countries (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), and hereby requests that said Letters Patent issue accordingly. For said consideration said Phillip W. Haga agrees for himself, and for his heirs, executors and administrators, to execute without further consideration all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to Kennametal Inc., or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said applications and securing patents thereon.

In Testimony Thereof, he executes this assignment this 19 day of JUNE, 2001.

Phillip W. Haga

(signature of assignor)

John L. Haga
(witness)
C. C.
(witness)